This listing of claims will replace all prior versions, and listings of claims in the application:

## **Listing of Claims:**

Claim 1 (Original): A semiconductor device comprising:

a signal line, which is capable of passing a signal having a desired frequency  $f_0$  therethrough, formed on a semiconductor substrate; and

a differential signal line through which a signal in opposite phase to said signal passes, or which is connected to a ground power supply,

said signal line and said differential signal line being laminated via an insulating layer so as to be substantially in parallel with each other, and

an actual wiring length l of said signal line being longer than a wiring length  $l_0$  determined by the following equation

$$l_{0} = \sqrt{\frac{L}{C} + \sqrt{\frac{R^{2} + 8\pi^{2}f_{0}^{2}L^{2}}{4\pi^{2}f_{0}^{2}C^{2}}}}$$

where R represents a resistance component, L represents an inductance component, and C represent a capacitance component per unit length of said signal line in such a case that said differential signal line does not exist.

Claim 2 (Original): The semiconductor device according to claim 1, wherein said signal line has substantially the same width with said differential signal line, and said signal

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line is located at a position corresponding to that of said differential signal line via said insulating layer in the main part of said semiconductor substrate.

Claim 3 (Original): The semiconductor device according to claim 1, further comprising a second differential signal line formed via a second insulating layer at a side opposite to that of said differential signal line formed via said insulating layer relative to said signal line.

Claim 4 (Original): The semiconductor device according to claim 1, wherein there are at least two of said signal lines, which are formed in the same layer, and a second differential signal line different from said first differential signal line is formed between said at least two signal lines in the same layer.

Claim 5 (Original): The semiconductor device according to claim 1, wherein said signal line, said insulating layer, and said differential signal line are formed in a groove in a second insulating layer formed on said semiconductor substrate.

Claim 6 (Original): The semiconductor device according to claim 1, wherein said signal line and said differential signal line are substantially in parallel with each other in the main part of said semiconductor substrate.

Claim 7 (Withdrawn): A method of manufacturing a semiconductor device comprising:

forming a first conductive layer on a semiconductor substrate;

forming an insulating layer on said first conductive layer;

forming a second conductive layer on said insulating layer; and

pattering said second conductive layer, said insulating layer, and said first conductive layer at a time to form a first wiring from said first conductive layer, and to form a second wiring from said second conductive layer.

Claim 8 (Withdrawn): The method of manufacturing a semiconductor device according to claim 7, wherein said first wiring is one of a signal line or a differential signal line through which a signal in opposite phase to a signal passing through the signal line passes, or which is connected to a ground power supply, and said second wiring is the other of said signal line and said differential signal line.

Claim 9 (Withdrawn): A method of manufacturing a semiconductor device comprising:

forming a groove in a first insulating layer formed on a semiconductor substrate;

forming a first wiring by filling said groove with a wiring material;

forming a second insulating layer covering said first wiring;

forming a third insulating layer on said second insulating layer;

forming a second wiring by forming an opening extending to said second insulating layer through said third insulating layer at a position corresponding to said first wiring, and filling the opening with a wiring material.

Claim 10 (Withdrawn): The method of manufacturing a semiconductor device according to claim 9, wherein said first wiring is one of a signal line or a differential signal

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line through which a signal in opposite phase to a signal passing through the signal line passes, or which is connected to a ground power supply, and said second wiring is the other of said signal line and said differential signal line.

Claim 11 (Withdrawn): A method of manufacturing a semiconductor device comprising:

forming a groove in a first insulating layer formed on a semiconductor substrate; forming a first wiring layer covering sides and a bottom of said groove; and forming a second wiring layer in said groove via a second insulating layer so as to cover said first wiring layer.

Claim 12 (Withdrawn): The method of manufacturing a semiconductor device according to claim 11, wherein said first wiring is one of a signal line or a differential signal line through which a signal in opposite phase to a signal passing through the signal line passes, or which is connected to a ground power supply, and said second wiring is the other of said signal line and said differential signal line.

Claim 13 (Presently Amended): The semiconductor device according to claim 1, wherein the frequency is 1GHz or more.

Claim 14 (Presently Amended): A semiconductor device comprising: at least two signal lines, each being capable of passing a first signal, formed in the same layer above a semiconductor substrate[,];

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first differential signal lines through which a signal in opposite phase to said first signal passes, or which is connected to a ground power supply; [and]

a second differential signal line formed between said at least two signal lines in the same layer[,];

said <u>at least two</u> signal lines and said first differential signal lines being laminated via an insulating layer so as to be substantially in parallel with each other; <u>and</u>

said at least two signal lines located at positions corresponding to those of said first differential signal lines via said insulating layer in a majority part of said semiconductor substrate.

Claim 15 (Canceled)

Claim 16 (Presently Amended): The semiconductor device according to claim 14, further comprising second third differential signal lines formed via a second insulating layer at sides opposite to those of said first differential signal lines formed via said insulating layer relative to said at least two signal lines.

Claim 17 (Previously Presented) The semiconductor device according to claim 14, wherein said at least two signal lines and said first differential signal lines are substantially in parallel with each other in said majority part of said semiconductor substrate.

Claim 18 (Presently Amended): The semiconductor device according to claim 14, wherein the a frequency of the first signal is 1 GHz or more.